Threatened and Endangered Species in Forests of Wisconsin

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THREATENED AND ENDANGERED SPECIES IN FORESTS OF WISCONSIN

A Guide to Assist with Forestry Activities

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CONTENTS

Introduction		vii
Scope		X
County Map		xii
Mammals		1
	American Marten	2
	Timber Wolf	4
Birds		6
	Acadian Flycatcher	7
	Bald Eagle	9
	Bell's Vireo	12
	Cerulean Warbler	14
	Great Egret	16
	Hooded Warbler	18
	Kentucky Warbler	20
	Osprey	22
	Red-shouldered Hawk	24
	Spruce Grouse	26
	Worm-eating Warbler	28
	Yellow-crowned Night-heron	30
	Yellow-throated Warbler	32
Reptiles and Amphibians		34
	Eastern Massasauga Rattlesnake	35
	Ornate Box Turtle	37
	Western Slender Glass Lizard	39
	Wood Turtle	41
Fish		43
(Overview	44
	Crystal Darter	45
	Gilt Darter	45
	Gravel Chub	45
	Greater Redhorse	46
		iii

	Longear Sunfish	46
	Ozark Minnow	46
	Pugnose Shiner	47
	River Redhorse	47
	Starhead Topminnow	47
Mussels and Snails		48
Overview		49
	Buckhorn Mussel	50
	Bullhead Mussel	50
	Butterfly Mussel	50
	Cherrystone Drop Snail	51
	Ebony Shell Mussel	51
	Elephant Ear Mussel	51
	Ellipse Mussel	52
	Higgins' Eye Pearlymussel	52
	Midwest Pleistocene Vertigo Snail	
	[Hubricht's Vertigo Snail]	52
	Monkeyface Mussel	53
	Occult Vertigo Snail	53
	Purple Wartyback Mussel	53
	Rainbow Shell Mussel	54
	Rock Pocketbook Mussel	54
	Salamander Mussel	54
	Slippershell Mussel	55
	Snuffbox Mussel	55
	Spectacle Case Mussel	55
	Wartyback Mussel	56
	Wing Snaggletooth Snail	56
	Winged Mapleleaf Mussel	56
	Yellow Sandshell	57
Insects		58
	Frosted Elfin Butterfly	59
	Karner Blue Butterfly	61
	Phlox Flower Moth	64
•		

Plants		66
	Auricled Twayblade	67
	Beak Grass	69
	Blue-stemmed Goldenrod	71
	Bog Bluegrass	73
	Braun's Holly Fern	75
	Broad-leaved Twayblade	77
	Calypso Orchid	79
	Carey's Sedge	81
	Drooping Sedge	83
	Dwarf Lake Iris	85
	Fire Pink	87
	Foamflower	89
	Forked Aster	91
	Goblin Fern	93
	Great White Lettuce	95
	Handsome Sedge	97
	Hawthorn-leaved Gooseberry	99
	Hop-like Sedge	101
	Intermediate Sedge	103
	Kitten Tails	105
	Lapland Rosebay	107
	Large-leaved Sandwort	109
	Marsh Valerian	111
	Moonwort	113
	Mountain Cranberry	115
	Muskroot	117
	Northern Comandra	119
	Northern Monkshood	121
	Pine-drops	123
	Purple Milkweed	125
	Ram's-head Lady's-slipper	127
	Small Round-leaved Orchis	129

Small Shinleaf	131
Smith Melic Grass	133
Snow Trillium	135
Squashberry	137
Western Jacob's Ladder	139
Yellow Giant Hyssop	141
Appendix I	143
Species by County	
Appendix II	161
Sources of Additional Information	
and Technical Assistance	
Appendix III	163
Contents by Latin Name	
Appendix IV	
Photo and Illustration Credits	

Introduction

Wisconsin is governed by both the federal and state endangered species acts. The Federal Endangered Species Act (ESA) was passed by the U.S. Congress in 1973 to protect species of plants and animals that are in danger of disappearing from the face of the earth. The ESA also protects the habitats on which these species depend. Under the ESA, plants or animals currently facing extinction are classified as "endangered." In other situations, such dangers are less imminent though still quite real. In such cases, and where species are declining and may disappear in the near future, they are classified as "threatened." The Wisconsin Endangered Species Act, passed by the state legislature, uses similar definitions for the words "endangered" and "threatened." The state law includes a list of plants and animals that are especially rare in Wisconsin, activities that require permitting and how plant and animal rules may differ.

The federal ESA treats plants and animals differently. Animals that are listed as either endangered or threatened are automatically protected on both public and private lands. Listed plants, however, are protected primarily on federal lands such as national forests, national wildlife refuges and military bases.

Although listed plants need adequate protection on both public and private lands, ESA violations occur on private lands only if state laws, such as trespass or state endangered species laws, are broken.

Most forestry-related activities do not negatively affect threatened or endangered species as long as ecosystem-based sustainable forestry practices are used. However, situations may arise where there are conflicts between land management practices (such as forestry) and the protection of these species. In most of these cases, there are workable solutions. Compromises that not only protect the species in question, but also allow the land to be used for other legitimate purposes should be the goal of everyone. Through education, cooperation and compromise, these goals can and will be achieved.

The primary purpose of this manual is to acquaint those who work or recreate in Wisconsin's forests with the rare species that occur there. Also, this manual will assist foresters, landowners, loggers, site-preparers, herbicide applicators and other woods workers to avoid violations of either the federal or state endangered species acts. And, just as important, it will help avoid placing listed species of plants and animals in further jeopardy and making their recovery even more difficult.

If you believe your forestry or other landuse activity could harm or kill a listed species, or if you are uncertain whether it would, please contact the Wisconsin Bureau of Endangered Resources or the U.S. Fish and Wildlife Service at the locations noted in Appendix II for assistance.

SCOPE

This manual is intended primarily for use in Wisconsin, although many of the species covered also occur in other Great Lakes states. This manual does not include all Wisconsin federally and state-listed plants and animals, those species that are protected by state and federal laws. Instead, this manual includes only those species most likely to be affected by logging and other forestry operations. This manual was further limited to those species reasonably identifiable. A complete list of both federally- and state-listed endangered and threatened species is available from the Wisconsin Bureau of Endangered Resources. (See Appendix II.)

Periodically, species are added to and removed from the list of those protected by the federal and state endangered species acts. Information about changes in the status of rare species can be obtained from the sources listed in Appendix II.

There are individual accounts for the majority of species in this manual. Most accounts include a photograph or an illustration of the organism, a map showing where in the state it may be found and a written description. This description includes information on identifying characteristics and

habitat. Forestry practices that affect these protected plants and animals are also discussed.

Due to difficulties in individual species identification for fish and mollusks (clams and snails), and the fact that recognition beyond general group identification is not needed in most cases to protect these species, they are indicated only by name and range map. The field guides listed in Appendix II will provide additional information about many of these species.

Appendix I includes an alphabetical list of all the counties in Wisconsin and protected forestry-influenced species known to exist in each one. This list includes only documented sightings. Populations of species covered in this manual may exist in other counties.

This manual contains the best knowledge currently available from resource professionals about forestry considerations. However, there is still much to learn concerning management practices. The authors invite comments, corrections, new sightings and suggestions from readers.

WISCONSIN COUNTIES

